

Class A Estimate

Denver Service Center - Class A Estimate				Estimate By:	RAM
Project: Comfort Station				Date:	24-Oct-03
Park: Yosemite National Park				Reviewed By:	DSC
Package: X256-01				Date:	10/24/2003
Class A Estimate					
Estimate is Based on 2003 Costs					
Bid Item	Cost of Materials	Labor Costs	Cost of Equipment	Total Net Construction Cost	
General Conditions				\$18,843	
Bid Item 1 - Comfort Station					
A10 Foundations	\$10,967	\$4,343	\$328	\$15,638	
B10 Super Structure	\$362	\$332	\$0	\$695	
B20 Exterior Enclosure	\$2,146	\$1,319	\$0	\$3,465	
B30 Roofing	\$884	\$343	\$0	\$1,227	
C10 Interior Construction	\$162	\$56	\$0	\$217	
C30 Interior Finishes	\$1,002	\$534	\$13	\$1,548	
D20 Plumbing	\$4,573	\$1,125	\$0	\$5,698	
D30 HVAC	\$214	\$60	\$0	\$274	
G10 Site Preparation	\$316	\$504	\$73	\$893	
Total Bid Item 1 - Comfort Station	\$20,626	\$8,616	\$414	\$29,655	
Bid Item 2 - Site Work					
G10 Site Preparation	\$4,412	\$3,858	\$855	\$9,124	
G20 Site Improvements	\$8,110	\$10,684	\$1,363	\$20,157	
Total Bid Item 2 - Site Work	\$12,522	\$14,542	\$2,218	\$29,281	
Bid Item 3 -					
Bid Item 4 -					
Bid Item 5 -					
Bid Item 6 -					
Total Bid Items 1-6	\$33,148	\$23,158	\$2,631	\$77,779	

Bid Schedule

Denver Service Center - Class A Estimate  
**Project:** Comfort Station - Load Drop Flats  
**Park:** The Great National Park  
**Package:** X256-01  
 Class A Estimate

**Estimate By:** RAM  
**Date:** 24-Oct-03  
**Reviewed By:** DSC  
**Date:** 24-Oct-03

**Estimate is Based on 2003 Costs**

Bid Item	Description	Quantity	Unit	Unit Cost	Item Cost
1	Comfort Station	1	Each	\$39,136	\$39,136
2	Site Work	1	Lump Sum	\$38,643	\$38,643
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
<b>TOTAL BID</b>					<b>\$77,779</b>

## Class A Estimate

Denver Service Center - Class A Estimate  
**Project:** Comfort Station - Load Drop Flats  
**Park:** The Great National Park  
**Package:** X256-01

**Estimate By:** RAM  
**Date:** 24-Oct-03

**Reviewed By:** DSC  
**Date:** 10/24/2003

## Estimate is Based on 2003 Costs

Item No.	Description	Qty.	Unit	Material		Labor		Equipment		Total	
				Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
<b>Bid Item 1</b>	<b>Comfort Station</b>										
<b>A10 Foundations</b>											
02230.200-0300	Clear & Grub, heavy, trees to 24" diameter, cut & chip	0.01	acre	\$0		\$4,998.00	\$50	\$4,105.50	\$41	\$9,103.50	\$91
02310.440-0010	Fine grade area to be paved with grader, small area	9	SY	\$0		\$1.37	\$12	\$1.36	\$12	\$2.73	\$25
02315.440-2035	Excavating, structural, mach. excav., common earth, hyd.backhoe, 3/4 cy bkt.	26	SF	\$0		\$6.55	\$170	\$6.43	\$167	\$12.97	\$337
03110.430-0010	Forms in place, footings, continuous wall, plywood, 1 use	86	sfca	\$2.61	\$224	\$3.03	\$261		\$0	\$5.64	\$485
03110.455-9000	Forms in place, wall, steel framed plywood, to 8' high, 1 use/month	360	sfca	\$16.07	\$5,783	\$2.93	\$1,054		\$0	\$18.99	\$6,837
03150.080-0020	Anchor bolt, incl. nut and washer, 1/2" dia., 6" long	8	each	\$0.93	\$7	\$3.33	\$27		\$0	\$4.26	\$34
03210.600-0500	Reinforcing in place, A615 Gr 60, footings, #4 to #7	0.1	ton	\$636.65	\$64	\$642.60	\$64		\$0	\$1,279.25	\$128
03210.600-0700	Reinforcing in place, A615 Gr 60, walls, #3 to #7	0.19	ton	\$636.65	\$121	\$452.20	\$86		\$0	\$1,088.85	\$207
03310.240-3800	Concrete in place, footings, spread under 1 CY	4.3	CY	\$121.38	\$522	\$105.91	\$455	\$1.01	\$4	\$228.30	\$982
03310.240-4200	Concrete in place, grade walls, 8" thick, 8' high	5	CY	\$152.32	\$762	\$163.03	\$815	\$19.99	\$100	\$335.34	\$1,677
03390.200-0300	curing, sprayed membrane curing compound	0.82	csf	\$5.95	\$5	\$4.94	\$4		\$0	\$10.89	\$9
03110.445-3050	Forms in place, SOG, edge forms, 7" to 12" high, wood, 4 use	25	sfca	\$1.04	\$26	\$2.61	\$65		\$0	\$3.64	\$91
03110.445-4000	Forms in place, SOG, edge, slab blockouts, to 12" high, wood, 1 use	7	lf	\$0.84	\$6	\$5.68	\$40		\$0	\$6.52	\$46
03210.600-0600	Reinforcing in place, A615 Gr 60, slab on grade, #3 to #7	0.07	ton	\$636.50	\$45	\$589.05	\$41		\$0	\$1,225.55	\$86
03310.240-4700	Concrete in place, slab on grade, not including finish, 6" thick, spread under 1 CY	2	CY	\$99.96	\$200	\$35.70	\$71	\$0.42	\$1	\$136.08	\$272
03310.700-4600	Placing concrete, incl.vib, slab on grade, slab over 6" thick, direct chute	2	CY	\$0		\$8.98	\$18	\$0.48	\$1	\$9.46	\$19
03350.300-0150	Finishing floors, monolithic, screed, float & broom finish	33	SF	\$0		\$0.45	\$15		\$0		\$15
03350.300-0200	Finishing floors, monolithic, screed, float & hand trowel	48	SF	\$0		\$0.48	\$23		\$0		\$23
05120.520-0010	Pipe support framing, under 10#/LF	48	lb	\$1.01	\$49	\$0.36	\$17	\$0.02	\$1		\$67
<b>Subtotals A10 Foundations</b>		<b>83</b>	<b>SF</b>		<b>\$7,813</b>		<b>\$3,289</b>		<b>\$328</b>	<b>\$137.71</b>	<b>\$11,430</b>
Park Location Factor		<b>3</b>	<b>Percent</b>		<b>\$234</b>		<b>\$99</b>		<b>\$10</b>		<b>\$343</b>
Subtotals					<b>\$8,047</b>		<b>\$3,388</b>		<b>\$337</b>		<b>\$11,772</b>
State & Local Sales Taxes (Mat'l & Equip.)		<b>6.3</b>	<b>Percent</b>		<b>\$507</b>				<b>\$21</b>		<b>\$528</b>
Subtotals					<b>\$8,554</b>		<b>\$3,388</b>		<b>\$359</b>		<b>\$12,301</b>
Contractor Overhead		<b>15</b>	<b>Percent</b>		<b>\$1,283</b>		<b>\$508</b>		<b>\$54</b>		<b>\$1,845</b>
Contractor Profit		<b>10</b>	<b>Percent</b>		<b>\$855</b>		<b>\$339</b>		<b>\$36</b>		<b>\$1,230</b>

Class A Estimate

	Subtotals				\$10,693		\$4,235		\$448		\$15,376
Construction Bond		2.5	Percent		\$274		\$109		\$11		\$394
	Totals A10 Foundations	83	SF		\$10,967		\$4,343		\$460	\$190.00	\$15,770

## Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
B10 Super Structure											
06090.800-4600	Timber connectors, strap ties, 16 ga,1-3/8" wide, 12"long	18	each	\$1.32	\$24	\$1.67	\$30		\$0	\$2.99	\$54
06110.530-2680	Framing joists, 2" x 6"	0.04	mbf	\$618.80	\$25	\$481.95	\$19		\$0	\$1,100.75	\$44
06110.555-7300	Framing, roofs, hip and valley rafters, 2" x 6"	0.05	mbf	\$618.80	\$31	\$791.35	\$40		\$0	\$1,410.15	\$71
06110.555-7540	Framing, roofs, hip and valley jacks, 2' x 6"	0.07	mbf	\$618.80	\$43	\$999.60	\$70		\$0	\$1,618.40	\$113
06110.555-7880	Framing, roofs, ridge board, #2 or better, 2" x 6"	0.04	mbf	\$618.80	\$25	\$1,190.00	\$48		\$0	\$1,808.80	\$72
06110.575-0110	2" x 6" White Cedar Facia	0.04	mbf	\$910.35	\$36		\$0		\$0	\$910.35	\$36
06160.800-0105	Sheathing, plywood on roof, CDX, 1/2" thick, pneumatic nailed	127	sf	\$0.58	\$74	\$0.36	\$45		\$0	\$0.94	\$119
Subtotal B10 Super Structure		83	SF		\$258		\$252		\$0	\$6.14	\$510
Park Location Factor		3	Percent		\$8		\$8		\$0		\$15
Subtotals					\$266		\$259		\$0		\$525
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$17				\$0		\$17
Subtotals					\$282		\$259		\$0		\$542
Contractor Overhead		15	Percent		\$42		\$39		\$0		\$81
Contractor Profit		10	Percent		\$28		\$26		\$0		\$54
Subtotals					\$353		\$324		\$0		\$677
Construction Bond		2.5	Percent		\$9		\$8		\$0		\$17
Totals B10 Super Structure		83	SF		\$362		\$332		\$0	\$8.37	\$695

## Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
B20 Exterior Enclosure											
06110.100-2660	Blocking, miscellaneous, to wood construction, 2"x8"	0.01	mbf	\$714.00	\$7	\$1,428.00	\$14		\$0	\$2,142.00	\$21
06110.575-0110	2x6 White cedar trim at Exterior walls	0.13	mbf	\$910.35	\$118		\$0		\$0	\$910.35	\$118
06110.590-5860	Framing, headers over openings, 2"x6"	0.01	mbf	\$618.80	\$6	\$1,666.00	\$17		\$0	\$2,284.80	\$23
06160.800-0600	Sheathing, plywood on walls with exterior CDX, 1/2" thick	547	sf	\$0.58	\$319	\$0.54	\$293		\$0	\$1.12	\$612
07260.100-0900	building paper, polyethylene vapor barrier, std., .006" thick	2.25	sq	\$3.49	\$8	\$8.09	\$18		\$0	\$11.58	\$26
07310.980-2100	wood, white cedar shingles, 16" long, 7-1/2" exposure, on walls	2	sq	\$91.63	\$183	\$149.94	\$300		\$0	\$241.57	\$483
07920.800-0500	caulking & sealants, acrylic latex caulk, white, 1/4" x 1/2"	87	lf	\$0.18	\$16	\$1.25	\$109		\$0	\$1.43	\$124
07920.800-3600	caulking & sealants, polyurethane, 1-2 cmpnt, bulk, in place, 1/2"x1/4"	8	lf	\$0.37	\$3	\$2.13	\$17		\$0	\$2.50	\$20
09910.700-7000	Siding, wood shingles, oil base primer coat, stain 2 coats, spray	245	sf	\$0.15	\$38	\$0.20	\$50		\$0	\$0.36	\$87
10210.800-0250	Louvers, aluminum w/screen, residential, 14"x24"	1	each	\$18.98	\$19	\$10.00	\$10		\$0	\$28.98	\$29
10430.200-0140	Signs, letters, 4" high, 1/2" deep, cast aluminum	1	each	\$20.53	\$21	\$16.66	\$17		\$0	\$37.19	\$37
08550.820-7000	Wood sash, sash, single lite, 2'-0" x 2'-0" high	2	each	\$49.98	\$100	\$16.07	\$32		\$0	\$66.05	\$132
08840.650-1500	Polycarbonate, clear, masked, cut sheets, 3/8" thick	6	sf	\$16.18	\$97	\$3.93	\$24		\$0	\$20.11	\$121
08110.200-0100	Comcl steel doors, fl, full panel, hollow metal, 1-3/8" thk, 20 ga, 3'-0"x7'0"	1	each	\$213.00	\$213	\$35.11	\$35		\$0	\$248.11	\$248
08110.820-0100	Steel frames, knock down, 16 Ga., up to 5-3/4" D, 7'-0"hi, 3'0"w, sgl	1	each	\$85.09	\$85	\$37.49	\$37		\$0	\$122.57	\$123
08710.150-2500	Avg., door, hdwe, school, single, int, regular use, NO lever incld	1	each	\$291.55	\$292		\$0		\$0	\$291.55	\$292
09910.300-0160	paint, doors, both sides, flush, incl. frame and trim, troll and brush, primer	1	each	\$4.49	\$4	\$26.78	\$27		\$0	\$31.26	\$31
Subtotal B20 Exterior Enclosure		83	SF		\$1,529		\$999		\$0	\$30.46	\$2,528
Park Location Factor		3	Percent		\$46		\$30		\$0		\$76
Subtotals					\$1,575		\$1,029		\$0		\$2,604
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$99				\$0		\$99
Subtotals					\$1,674		\$1,029		\$0		\$2,703
Contractor Overhead		15	Percent		\$251		\$154		\$0		\$405
Contractor Profit		10	Percent		\$167		\$103		\$0		\$270
Subtotals					\$2,092		\$1,286		\$0		\$3,379
Construction Bond		2.5	Percent		\$54		\$33		\$0		\$87
Totals B20 Exterior Enclosure		83	SF		\$2,146		\$1,319		\$0	\$41.75	\$3,465

Class A Estimate

Item No.	Description	Qty.	Unit	Material		Labor		Equipment		Total	
				Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
<b>B30 Roofing</b>											
07260.100-0400	Building paper, asphalt felt sheathing paper, 15# asphalt shingles, organic, class c, 235-240 lbs/sq, pneumatic nailed	1.27	sq	\$2.65	\$3	\$8.09	\$10		\$0	\$10.75	\$14
07310.100-0205	Flashing, copper, 20 oz sheets, under 1000 lbs	1.3	sq	\$45.22	\$59	\$42.25	\$55		\$0	\$87.47	\$114
07650.600-1900	Drip edge, aluminum, .016" thick, 5" wide, mill finish	28	sf	\$4.64	\$130	\$2.39	\$67		\$0	\$7.03	\$197
07710.450-0010	skylight, ventilating, insulated plexiglass dome w/ curb mounting, 36"x36"	40	lf	\$0.24	\$10	\$0.75	\$30		\$0	\$0.99	\$40
08620.800-2130		1	each	\$428.40	\$428	\$97.58	\$98		\$0	\$525.98	\$526
	<b>Subtotal B30 Roofing</b>	<b>83</b>	<b>SF</b>		<b>\$630</b>		<b>\$260</b>		<b>\$0</b>	<b>\$10.72</b>	<b>\$890</b>
	Park Location Factor	<b>3</b>	<b>Percent</b>		\$19		\$8		\$0		\$27
	Subtotals				<b>\$649</b>		<b>\$268</b>		<b>\$0</b>		<b>\$916</b>
	State & Local Sales Taxes (Mat'l & Equip.)	<b>6.3</b>	<b>Percent</b>		\$41				\$0		\$41
	Subtotals				<b>\$690</b>		<b>\$268</b>		<b>\$0</b>		<b>\$957</b>
	Contractor Overhead	<b>15</b>	<b>Percent</b>		\$103		\$40		\$0		\$144
	Contractor Profit	<b>10</b>	<b>Percent</b>		\$69		\$27		\$0		\$96
	Subtotals				<b>\$862</b>		<b>\$334</b>		<b>\$0</b>		<b>\$1,197</b>
	Construction Bond	<b>2.5</b>	<b>Percent</b>		\$22		\$9		\$0		\$31
	<b>Totals B30 Roofing</b>	<b>83</b>	<b>SF</b>		<b>\$884</b>		<b>\$343</b>		<b>\$0</b>	<b>\$14.79</b>	<b>\$1,227</b>

## Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
C10 Interior Construction											
10820.100-1500	Bathroom accessories, grab bar, tub bar, 1-1/4" diameter. 24" x 36"	1	each	\$91.63	\$92	\$21.48	\$21		\$0	\$113.11	\$113
10820.100-4300	Bathroom accessories, robe hook, single, regular	1	each	\$5.53	\$6	\$8.33	\$8		\$0	\$13.86	\$14
10820.100-6200	Bathroom accessories, toilet tissue dispenser, surface mounted, double roll, stainless steel	1	each	\$17.91	\$18	\$12.50	\$12		\$0	\$30.40	\$30
Subtotal C10 Interior Construction		83	SF		\$115		\$42		\$0	\$1.90	\$157
Park Location Factor		3	Percent		\$3		\$1		\$0		\$5
Subtotals					\$119		\$44		\$0		\$162
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$7				\$0		\$7
Subtotals					\$126		\$44		\$0		\$170
Contractor Overhead		15	Percent		\$19		\$7		\$0		\$25
Contractor Profit		10	Percent		\$13		\$4		\$0		\$17
Subtotals					\$157		\$54		\$0		\$212
Construction Bond		2.5	Percent		\$4		\$1		\$0		\$5
Totals C10 Interior Construction		83	SF		\$162		\$56		\$0	\$2.62	\$217



Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
C30 Interior Finishes											
09770.400-0030	FRP Panels, .090" thick, on walls, adhesive mounted, smooth surface	250	sf	\$1.75	\$437	\$0.94	\$235		\$0	\$2.69	\$672
09673.100-1300	Composition floor, epoxyk, heavy duty epoxy top, 1/4" thick, 500 to 1000sf	48	sf	\$5.76	\$276	\$3.52	\$169	\$0.19	\$9	\$9.47	\$455
Subtotal C30 Interior Finishes		83	SF		\$714	\$404			\$9	\$13.58	\$1,127
Park Location Factor		3	Percent		\$21		\$12		\$0		\$34
Subtotals					\$735		\$416		\$9		\$1,161
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$46				\$1		\$47
Subtotals					\$782		\$416		\$10		\$1,208
Contractor Overhead		15	Percent		\$117		\$62		\$2		\$181
Contractor Profit		10	Percent		\$78		\$42		\$1		\$121
Subtotals					\$977		\$520		\$13		\$1,510
Construction Bond		2.5	Percent		\$25		\$13		\$0		\$39
Totals C30 Interior Finishes		83	SF		\$1,002		\$534		\$13	\$18.66	\$1,548

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Item No.	Description	Qty.	Unit	Material		Labor		Equipment		Total	
				Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
<b>D20 Plumbing</b>											
15410.200-6300	Supports/carrier, urinal, wall mounted, plate type system	1	each	\$115.43	\$115	\$59.50	\$60		\$0	\$174.93	\$175
15411.700-8030	Urinals, wall hung, fiberglass reinforced polyester, waterless, no flush	1	each	\$423.00	\$423	\$110.00	\$110		\$0	\$533.00	\$533
15418.900-9999	Stainless steel toilet riser with painted enamel seat and lid.	1	each	\$195.00	\$195	\$83.00	\$83		\$0	\$278.00	\$278
02530.780-2160	Piping, drainage & sewage, PVC, 10' lengths, sdr35, 12" diameter	15	lf	\$8.81	\$132	\$2.89	\$43		\$0	\$11.70	\$175
02540.700-0600	Septic Tanks(Waste Vault), high density polyethylene, 1000 gallon w/ risers, complete	1	each	\$2,300.00	\$2,300	\$450.00	\$450		\$0	\$2,750.00	\$2,750
02530.780-2000	Piping, subdrainage, perforated PVC, 4" dia	50	lf	\$1.84	\$92	\$2.12	\$106		\$0	\$3.96	\$198
	<b>Subtotal D20 Plumbing</b>	<b>83</b>	<b>SF</b>		<b>\$3,258</b>		<b>\$852</b>		<b>\$0</b>	<b>\$49.51</b>	<b>\$4,110</b>
	Park Location Factor	<b>3</b>	<b>Percent</b>		\$98		\$26		\$0		\$123
	Subtotals				<b>\$3,355</b>		<b>\$877</b>		<b>\$0</b>		<b>\$4,233</b>
	State & Local Sales Taxes (Mat'l & Equip.)	<b>6.3</b>	<b>Percent</b>		\$211				\$0		\$211
	Subtotals				<b>\$3,567</b>		<b>\$877</b>		<b>\$0</b>		<b>\$4,444</b>
	Contractor Overhead	<b>15</b>	<b>Percent</b>		\$535		\$132		\$0		\$667
	Contractor Profit	<b>10</b>	<b>Percent</b>		\$357		\$88		\$0		\$444
	Subtotals				<b>\$4,459</b>		<b>\$1,097</b>		<b>\$0</b>		<b>\$5,555</b>
	Construction Bond	<b>2.5</b>	<b>Percent</b>		\$114		\$28		\$0		\$142
	<b>Totals D20 Plumbing</b>	<b>83</b>	<b>SF</b>		<b>\$4,573</b>		<b>\$1,125</b>		<b>\$0</b>	<b>\$68.65</b>	<b>\$5,698</b>

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Item No.	Description	Qty.	Unit	Material		Labor		Equipment		Total	
				Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
<b>D30 HVAC</b>											
13630.200-2350	Solar Energy, circulators, air, two speed, 100-300 sf, 1/10 HP	1	each	\$152.32	\$152	\$45.22	\$45		\$0	\$197.54	\$198
	<b>Subtotal D30 HVAC</b>	<b>83</b>	<b>SF</b>		<b>\$152</b>		<b>\$45</b>		<b>\$0</b>	<b>\$2.38</b>	<b>\$198</b>
	Park Location Factor	<b>3</b>	<b>Percent</b>		\$5		\$1		\$0		\$6
	Subtotals				<b>\$157</b>		<b>\$47</b>		<b>\$0</b>		<b>\$203</b>
	State & Local Sales Taxes (Mat'l & Equip.)	<b>6.3</b>	<b>Percent</b>		\$10				\$0		\$10
	Subtotals				<b>\$167</b>		<b>\$47</b>		<b>\$0</b>		<b>\$213</b>
	Contractor Overhead	<b>15</b>	<b>Percent</b>		\$25		\$7		\$0		\$32
	Contractor Profit	<b>10</b>	<b>Percent</b>		\$17		\$5		\$0		\$21
	Subtotals				<b>\$208</b>		<b>\$58</b>		<b>\$0</b>		<b>\$267</b>
	Construction Bond	<b>2.5</b>	<b>Percent</b>		\$5		\$1		\$0		\$7
	<b>Totals D30 HVAC</b>	<b>83</b>	<b>SF</b>		<b>\$214</b>		<b>\$60</b>		<b>\$0</b>	<b>\$3.30</b>	<b>\$274</b>

Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
G10 Site Preparation											
02315.100-0010	Backfill, by hand, no compaction, light soil	21.4	cy		\$0	\$16.78	\$359		\$0	\$16.78	\$359
02315.200-2100	Borrow, crushed stone at pit, 3/4"-1-1/2"	10	cy	\$20.41	\$204	\$1.52	\$15	\$3.53	\$35	\$25.47	\$255
02315.505-0010	Fill, spread dumped material by dozer, no compaction	13	cy		\$0	\$0.43	\$6	\$1.05	\$14	\$1.48	\$19
02720.200-0100	Base course, large areas, crushed 3/4" stone, compacted to 6" deep	5.33	sy	\$3.97	\$21	\$0.29	\$2	\$0.61	\$3	\$4.87	\$26
Subtotal G10 Site Preparation		83	SF		\$225		\$381		\$52	\$7.94	\$659
Park Location Factor		3	Percent		\$7		\$11		\$2		\$20
Subtotals					\$232		\$393		\$54		\$679
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$15				\$3		\$18
Subtotals					\$247		\$393		\$57		\$697
Contractor Overhead		15	Percent		\$37		\$59		\$9		\$104
Contractor Profit		10	Percent		\$25		\$39		\$6		\$70
Subtotals					\$308		\$491		\$71		\$871
Construction Bond		2.5	Percent		\$8		\$13		\$2		\$22
Totals G10 Site Preparation		83	SF		\$316		\$504		\$73	\$10.76	\$893

<b>Bid Item 1</b>	<b>Comfort Station</b>	<b>TOTAL ESTIMATED COST</b>	<b>\$29,787</b>
		Unit Cost	\$358.88 Per SF

Class A Estimate

Denver Service Center - Class A Estimate  
**Project:** Comfort Station - Load Drop Flats  
**Park:** The Great National Park  
**Package:** X256-01

**Estimate By:** RAM  
**Date:** 24-Oct-03

**Reviewed By:** DSC  
**Date:** 10/24/2003

**Estimate is Based on 2003 Costs**

Item No.	Description	Qty.	Unit	Material		Labor		Equipment		Total	
				Cost/Unit	Mat'l Cost	Cost/Unit	Labor Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
<b>Bid Item 2</b>	<b>Site Work</b>										
<b>G10 Site Preparation</b>											
02230.200-0300	Clear & Grub, heavy, trees to 24" diameter, cut & chip	0.04	acre		\$0	\$4,998.00	\$200	\$4,105.50	\$164	\$9,103.50	\$364
02310.440- 0010	Fine grade area to be paved with grader, small area	200	sy		\$0	\$1.37	\$274	\$1.36	\$271	\$2.73	\$545
02315.505-0010	Fill, spread dumped material by dozer, no compaction	70	cy		\$0	\$0.43	\$30	\$1.05	\$73	\$1.48	\$103
02315.505-0600	Fill, gravel fill, compacted 6" deep	8400	sf	\$0.29	\$2,399	\$0.18	\$1,499	\$0.01	\$100	\$0.48	\$3,998
02315.505-1400	Granular Fill	186	cy	\$4.00	\$744	\$4.94	\$919		\$0	\$8.94	\$1,663
<b>Subtotals G10 Site Preparation</b>		<b>1760</b>	<b>SF</b>		<b>\$3,143</b>		<b>\$2,922</b>		<b>\$609</b>	<b>\$3.79</b>	<b>\$6,673</b>
Park Location Factor		<b>3</b>	<b>Percent</b>		<b>\$94</b>		<b>\$88</b>		<b>\$18</b>		<b>\$200</b>
Subtotals					<b>\$3,237</b>		<b>\$3,009</b>		<b>\$627</b>		<b>\$6,874</b>
State & Local Sales Taxes (Mat'l & Equip.)		<b>6.3</b>	<b>Percent</b>		<b>\$204</b>				<b>\$40</b>		<b>\$243</b>
Subtotals					<b>\$3,441</b>		<b>\$3,009</b>		<b>\$667</b>		<b>\$7,117</b>
Contractor Overhead		<b>15</b>	<b>Percent</b>		<b>\$516</b>		<b>\$451</b>		<b>\$100</b>		<b>\$1,068</b>
Contractor Profit		<b>10</b>	<b>Percent</b>		<b>\$344</b>		<b>\$301</b>		<b>\$67</b>		<b>\$712</b>
Subtotals					<b>\$4,302</b>		<b>\$3,762</b>		<b>\$833</b>		<b>\$8,896</b>
Construction Bond		<b>2.5</b>	<b>Percent</b>		<b>\$110</b>		<b>\$96</b>		<b>\$21</b>		<b>\$228</b>
<b>Totals G10 Site Preparation</b>		<b>1760</b>	<b>SF</b>		<b>\$4,412</b>		<b>\$3,858</b>		<b>\$855</b>	<b>\$5.18</b>	<b>\$9,124</b>

Class A Estimate

				Material		Labor		Equipment		Total	
Item No.	Description	Qty.	Unit	Cost/Unit	Labor Cost	Cost/Unit	Mat'l Cost	Cost/Unit	Equip. Cost	Cost/Unit	TOTAL
G20 Site Improvements											
02775.275-0310	Sidewalks, conc. 3000psi, CIP w/ 6x6 mesh, broom finish, no base, 4"T	1600	sf	\$1.39	\$2,228	\$1.37	\$2,190	\$0.61	\$971	\$3.37	\$5,388
02830.400-0200	Stone wall, decorative random stone, to 6' high, 1'6" thick, dry set	380	sf	\$9.34	\$3,550	\$15.53	\$5,901		\$0	\$24.87	\$9,451
Subtotal G20 Site Improvements		1760	SF		\$5,777		\$8,091		\$971	\$8.43	\$14,839
Park Location Factor		3	Percent		\$173		\$243		\$29		\$445
Subtotals					\$5,951		\$8,334		\$1,000		\$15,284
State & Local Sales Taxes (Mat'l & Equip.)		6.3	Percent		\$375				\$63		\$438
Subtotals					\$6,326		\$8,334		\$1,063		\$15,722
Contractor Overhead		15	Percent		\$949		\$1,250		\$159		\$2,358
Contractor Profit		10	Percent		\$633		\$833		\$106		\$1,572
Subtotals					\$7,907		\$10,417		\$1,329		\$19,653
Construction Bond		2.5	Percent		\$203		\$267		\$34		\$504
Totals G20 Site Improvements		1760	SF		\$8,110		\$10,684		\$1,363	\$11.45	\$20,157

<b>Bid Item 2 Site Work</b>	<b>TOTAL ESTIMATED COST</b>	<b>\$29,281</b>
	Unit Cost	\$16.64 Per SF

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Class A Estimate

Denver Service Center - Class A Estimate

**Project:** Comfort Station - Load Drop Flats

**Park:** The Great National Park

**Package:** X256-01

Division 1 - General Conditions (Requirements)

**Estimate By:** RAM

**Date:** 24-Oct-03

**Reviewed By:** DSC

**Date:** 24-Oct-03

Item	Description	Quantity	Unit	Unit Price	Extension
	Project Management/Engineer (1/2 time)	0.5	Months	\$9,500.00	\$4,750.00
	Superintendent (Salary/Per Diem)	0.5	Months	\$8,500.00	\$4,250.00
	Admin. Asst.	1	Weeks	\$650.00	\$650.00
	Estimating	0.5	Weeks	\$3,200.00	\$1,600.00
	Scheduling	0.25	Weeks	\$3,200.00	\$800.00
	Survey layout (Buildings, Roads, Utilities)	40	Manhours	\$35.00	\$1,400.00
	Construction Trailer	1	LS	\$1,200.00	\$1,200.00
	Traffic Control	1	Months	\$0.00	\$0.00
	Temporary Fences	200	LF	\$5.50	\$1,100.00
	Resource Protection	1	LS	\$500.00	\$500.00
	Erosion Control	1	LS	\$600.00	\$600.00
	Project Safety	1	LS	\$200.00	\$200.00
	As-Built Drawings	1	LS	\$500.00	\$500.00
	Construction Photos	8	Hours	\$30.00	\$240.00
	Construction Testing	1	LS	\$300.00	\$300.00
	Temporary Power	1	Job	\$150.00	\$150.00
	Toilet Facilities	1	Months	\$155.00	\$155.00
	Project Signs	12	SF	\$16.50	\$198.00
	Commissioning	1	Project	\$250.00	\$250.00
<b>Total Estimated Cost General Conditions</b>					<b>\$18,843.00</b>